

Application No. 09/903,290

VERSION WITH MARKINGS TO SHOW CHANGES MADE

Target: . . . CGCAA TAGCC TAGCA GT(c)GC . . . (SEQ ID NO: 1)
. . . GCGTT ATCGG ATCGT CA(g)CG . . .

Primer: 5' - CGCAATAGCCTAGCCACTTG-3' (SEQ ID NO: 2)

Probe: *ACLA001-5' - CAAGTCGTcGC -3' (SEQ ID NO: 3)

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* eTag fluorescent group: Fluorescein(C₆P)₁ (ACLA001)
^ indicates site of cleavage
c indicates base complementary to SNP locus

Target #1:

Target: . . . CTAGCAGT(c/g) G CAGGATACTG ACCTGCGC. . . (SEQ ID NO: 4)
. . . GATCGTCA(g/c) C GTCCTATGAC TGGACGCG . . .

Primer: 5' -CAAGTCGGAT ACTGACCTGC AT-3' (SEQ ID NO: 5)

Probes: 5' -GTcGCCACTT G-3' -ACLA001* (SEQ ID NO: 6)

5' -GTgGCCACTT G-3' -ACLA016* (SEQ ID NO: 7)

Target #2:

Target: . . . GAGATCCA(c/g)CAGCA AAGTC CGAGT CGGT . . . (SEQ ID NO: 8)

. . . CTCTAGGT(g/c)GTCGT TTCAG GCTCA GCCA . . .

Primer: 5' -CAAGTACCAA AGTCCGAGTC GAA -3' (SEQ ID NO: 9)

Probes: 5' -CAcCACTACT TG-3' -ACLA018* (SEQ ID NO: 10)

5'-CAgCACTACT TG-3'-ACLA019* (SEQ ID NO: 11)

* indicates eTag fluorescent groups(all containing Fluorescein):

ACLA001: Fl(C₆P)₁-oligonucleotide

ACLA016: Fl(C₆P)₁(C₃P)₁-oligonucleotide

ACLA018: Fl(C₆P)₁(C₃P)₂-oligonucleotide

ACLA019: Fl(C₆P)₁(C₃P)₃-oligonucleotide

^ indicates site of cleavage

c or g indicates base complimentary to SNP locus